Jumbo
Touch Panel Remote
OPERATION MANUAL

INTRODUCTION

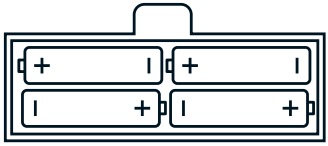
The Jumbo Touch Panel Remote Control can operate up to five types of devices: TVs, VCRs, DVD players, Cable/Satellite set-top boxes, DVRs and CD players.

See the diagram on Page 2 to familiarize yourself with the features of this remote control. You may need to review the operating manuals of your original remotes to refresh yourself on the functions of those units.

BATTERY INSTALLATION

1. Remove the cover from the battery compartment, which is located on the back of the unit.
2. Insert four "AAA" size alkaline batteries (not included) according to the diagram inside the battery compartment and replace the battery compartment cover.
3. Press the ON/OFF ⏻ button, the LED should illuminate; if it doesn't, replace the batteries and try again.

Requires 4 "AAA" batteries (not included).

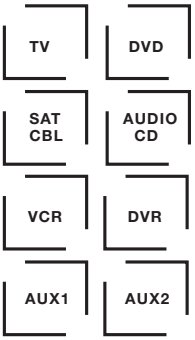


BATTERY WARNING:

- Do not mix alkaline, standard (carbon-zinc) and rechargeable batteries (Nickel Metal Hydride).
- Do not mix old and new batteries.
- Non-rechargeable batteries are not to be recharged.
- Rechargeable batteries are only to be charged under adult supervision (if removable).
- Exhausted batteries should be removed immediately and must be recycled or disposed of properly according to state or local government ordinances and regulations.
- The supply terminals are not to be short-circuited.
- Only batteries of the same or equivalent type as recommended are to be used.
- Batteries are to be inserted with the correct polarity (see diagram).
- Do not dispose batteries in a fire, batteries may leak or explode.

SIGNAL INDICATOR LIGHT (LED): The Indicator Light flashes to show that the remote is working properly.

ON/OFF BUTTON: To turn the remote control ON or OFF.



TV, DVD, VCR, DVR, SAT/CBL, AUDIO/CD, AUX1 and AUX2: used to select the device you want to control.

TV/VCR: Operates the TV/VCR functions.

LEARN: Jumbo Remote's learning feature.

M-POWER: To turn ON or OFF all programmed devices at the same time.

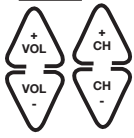
MENU: To bring up the main menu.

QUIT: To exit MENU functions.

INPUT: To select the video input of your TV if it is equipped with this feature.

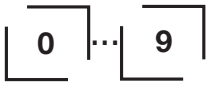
SLEEP: Allows you to set a time to turn off your devices automatically.

MUTE: Mutes the volume.



VOL+, VOL-: To increase or decrease volume.

CH+, CH-: To change the channels on the TV.



0-9: To change the channels on the TV and to enter the code for each device.

DISPLAY: To display the program information.

ENTER: Used to complete channel selection for some brands of TVs. It is also used to complete the code entry process.

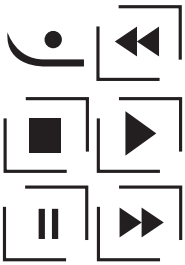
PAGE+, PAGE-: Moves the page up and down on screen menu. Control the DVD/CD track selection.

GUIDE: Brings up the on-screen program guide.

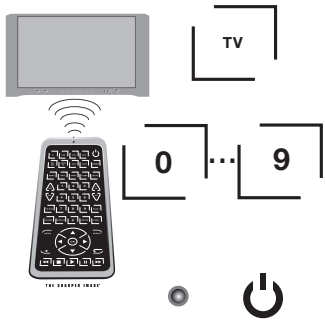
REPEAT: To repeat a track on a DVD/CD player.

Instant replay.

NAVIGATION BUTTON: Used to move through on-screen menu and guides. Use the navigation buttons to make a selection.



PLAY, STOP, FORWARD, REVERSE, PAUSE, REC: These buttons are for DVD/VCR/DVR/CD player use and operate the same as the buttons on your original DVD/VCR/DVR/CD player remote.



CODE INPUT SETTING:

You will need the list of codes to manually select and input the correct codes to your specific device.

1. Turn on the device that you want to set.

2. Look for the brand name under the specific device listing provided.
   (Note: You will notice that some brands will have more than one 3-digit code. During the code input process, you may have to try more than one 3-digit code to match your device brand and model.)

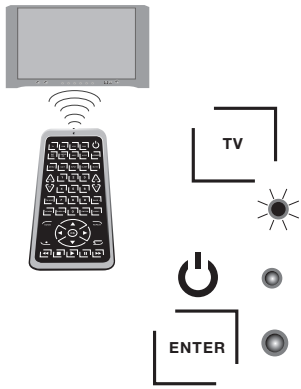
3. Aim the remote control at the device and press and hold the device button (e.g.TV) for at least three seconds until the red LED lights up solid red.

4. Using the number keys, enter the first set of 3-digit codes from the list. You will notice that each number that you press, the LED will blink once. After you have entered the 3rd digit, the red LED will turn off indicating that the code was recognized by the device. (NOTE: If the code entered was not compatible, the red LED will flash several times. You will then need to repeat Step 3 to 5. You have 30 seconds to enter a code).

5. After the red LED light has turned off, press the **POWER** button. If the device you are trying to program powers off, then you have found the correct code. If the device does not power off, then you will need to repeat the process again from Step 3 using another 3-digit code.

6. Make a note of the 3-digit code for future use.

7. If all the provided codes do not work for your device, you can use the "LEARN" feature. This allows you to program the remote one button at a time using the buttons on the remotes that come with your devices.
   (NOTE: "LEARN" feature will be discussed in further detail in the following sections).



CODE SEARCH SETTING:

This is an alternative method to programming your device without using the code list. The remote control will scroll through the list of codes to identify the correct code for your device.

(NOTE: This may take a little longer as the remote control is trying every pre-programmed code).

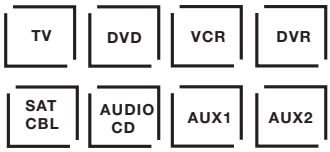
1. Turn on the device that you want to program.

2. Aim the remote control at the device and press and hold the device button (e.g. TV) for at least three seconds until the red LED lights up solid red.

3. Press POWER on the remote slowly and repeatedly until the device you are trying to program shuts off. (Note: The LED will blink once each time you press the POWER button)

4. Once the device powers off, press ENTER button within three seconds to confirm the code and the LED will turn off.

LEARNING FEATURE:



If the pre-programmed codes do not work for your device, use the LEARN feature to program the functions using the original remote control.
We recommend using "AUX1" and "AUX2" for this feature as these two device buttons are reserved to accommodate this feature without changing the existing device buttons that have been set up. This remote control can be used to learn up to 57 functional keys.
(NOTE: Some specific remote control signals may not work with this feature, such as those that do not use an infrared signal.)

1. Press the device button for which you would like to program functions.

2. Press and hold the LEARN button until the LED flashes repeatedly.

Fig.2

3. Place the original remote control head-to-head to the Jumbo remote control on a flat surface. The detector/signal emitter of the original remote control should be aiming at the detector/ signal emitter of the jumbo remote control. The distance between them should be about 1 to 2 inches.

4. Press the button (e.g."Stop"or "■") on the Jumbo remote control to which you would like to assign a function. The LED will turn solid red.

5. Press and hold the button for the function that you would like the jumbo remote to learn from the original remote until LED flashes for more than five times. This indicates the learning process has been completed and you can release the button.
(NOTE: If the LED turns solid red after flashing 5 times, it indicates the learning process failed. Repeat step 4).

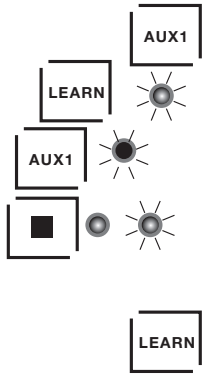
6. If you want to continue programming other keys, repeat step 4.

7. Press LEARN to exit the learning mode. The LED will turn off.

NOTE:
a. If you do not press any button within 30 seconds, the remote control will exit the learning mode and go back to regular operation.
b. If you want to program different buttons for different devices, repeat step 1.
c. Within the same device, learned function is automatically replaced when a new function is programmed on the same button.
d. Do not move the remote controls during learning process.
e. Avoid direct sunlight or strong fluorescent light. This could interfere with the learning process.
f. Make sure fresh batteries are used in both remote controls.

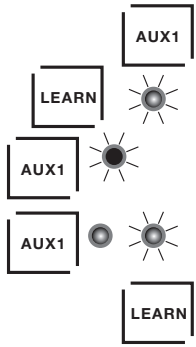
ERASING LEARNED FUNCTION

Erasing function of a single button.



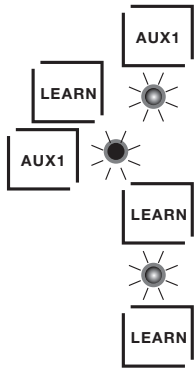
1. Press the device button (e.g. AUX1).
2. Press and hold the LEARN button until the LED flashes.
3. Press the device button again until the LED turns solid red.
4. Press the programmed button, the LED will turn off for 0.5 seconds and turn back on again. This indicates the function of this button has been erased.
5. Repeat step 4 to continue erasing other buttons.
6. Press the LEARN button to exit.

ERASING ALL LEARNED FUNCTIONS ON A SINGLE BUTTON



1. Press the device button (e.g. AUX1).
2. Press and hold the LEARN button until the LED flashes.
3. Press the device button until the LED turns solid red.
4. Press the device button (e.g. AUX1) again to erase all learned functions. The LED will turn off for 0.5 seconds and turn back on again. This indicates the function of this device has been erased.
5. Press LEARN to exit.

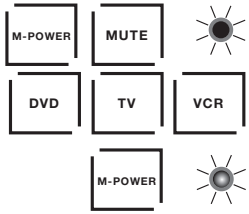
ERASING ALL LEARNED FUNCTIONS ON ALL BUTTONS.



1. Press the device button (e.g. AUX1).
2. Press and hold LEARN the LED flashes.
3. Press the device button (e.g. AUX1) until the LED turns solid red.
4. Press and hold LEARN for three seconds to erase all learned functions for all devices.
5. The LED will flash twice and turn off.
6. Press LEARN to exit.

SETTING UP M-POWER

M-POWER feature allows user to turn ON or OFF all programmed devices with the press of one button!



1. Press and hold M-POWER and MUTE simultaneously for 3 seconds. Release the buttons when LED turns solid red.

2. Press the device button that you want to bundle one at a time (ex. TV, DVD, VCR, etc.). The LED will flash once each time you press the device button.

3. Press M-POWER to save the setting. The LED will turn off and go back to normal operation mode. Setting has been completed.

4. Press M-POWER to turn on or off all devices at the same time.
Note: If the devices are in different conditions, ON device will be turned off and OFF device will be turned on. The user can still use the regular POWER button to turn on/off each individual device.

5. Erasing the M-POWER setting is similar to setting it up. Repeat step 1 but only press one device button. PRESS M-POWER to save it. M-POWER will only respond to one device as regular power button.
Note: Always refer to device's owner's manual. Some devices should stay ON all the time.

ADDITIONAL INFORMATION SPECIFICATIONS
Operating distance: Approximately 25 feet
Battery: 4 x AAA batteries

PRECAUTIONS
- This is not a toy. Be sure to place this unit away from small children or pets.
- This unit is intended for indoor and household use in controlling the functions of selected electronic devices.
- Do not drop or apply excessive mechanical shock to this unit. It may damage the unit or cause malfunction.
- Do not place unit under direct sunlight or strong light source as it may interfere with the normal operation.
- Do not immerse or expose to water or other liquid as it may damage the unit.
- Do not place the unit near heat sources.

TROUBLESHOOTING

Touch panel of the unit does not light up.	Replace the batteries.
The unit does not control the device, but the red LED indicator blinks when you press a button.	Make sure a correct device code is entered during setup. Try all listed codes until you find a code that works properly for your device. Aim the remote control at your device. It should not be blocked by other objects or be more than 25 feet from the device.
The unit does not control the device and the red LED indicator does not blink when you press a button.	Make sure the batteries are installed properly or replace them.
LEARN feature does not work.	Repeat the setup instructions for the LEARN feature. Make sure both remote controls are placed head-to-head on a flat surface within 1-2 inch distance.
M-POWER feature does not work.	The devices need to be set up before using this feature. Repeat the setup instructions for M-Power feature.

TV CODE LIST

ABEX	120
ADMIRAL	603.224.701
ADVENT	219.893
ADVENTURA	019
AIKO	407
AIWA	121.221.324.528
ALLERON	706
AMARK	603
AMTRON	906
AKAI	112.801.309.024
ANAM NATIONAL	906.901.104.805.920
AOC	002.102.502.003 217.119.320
APEX	023.223.123.741
ARCHER	603
ASPECT	507
AUDIOVOX	906
AXION	319.793
BANG&OLUFSEN	620
BELCOR	002
BELL&HOWELL	704.506.601.701
BENQ	709.909.711
BRADFORD	906
BROKSONIC	316.115.626 327.632.041
BROKWOOD	002
CANDLE	002.502.019.402
CAPEHART	119
CELERA	023
CELEBRITY	801
CENTROS	518
CENTURION	502
CETRONIC	805
CHANGHONG	023.741
CITIZEN	002.502.906.112 512.115.520.701 402.805 .407
CLAIRTONE	003
CLASSIC	023.741.805
CLP	006.008
CLP CLASSIC	021.011.005.020 002.006
COLORVOICE	602
COLORTYME	002.502.602
CONCERTO	002.502
CONCIERGE	713
CONTEC	906.802.003.805
CORNEA	606
CRAIG	906.805
CROSLEY	807
CROWN	906.805
CURTIS MATHES	704.112.614.002 502.601.506.512 437.701.103
CTX	603
CXC	906.805
DAEWOO	614.002.502.611 102.415.905.505 826.529.609.805 407.303.602.214 403.314.503.615.046
DAYTRON	002.502
DELL	522.404.814
DIAMOND.VISION	622.810.496
DIGISTAR	056.118.413.213.318
DIMENSIA	704.601
DISNEY	417
DUKANE	507.808
DUMONT	713.002
DURABRAND	520.115.916.024 317.027.447.323
DYNASTY	805
ELEKTRA	701
ELECTROBAND	801.003
ELECTROHOME	002.502.024 901.803.027
ELITE VIDEO	321
EMERSON	002.502.006.115 506.706.520.906 316.614.505.324 924.626.826.024 327.128.228.632 134.247.605.705 805.703.903.004 519.106.104.304 604.804.005.105.305
ENVISION	002.502.009.027
FISHER	506.612.428.619.802
FUJITSU	321.706
FUNAI	706.520.906 324.247.805
FUTURETEC	906.805
GATEWAY	206
GE	704.312.018.002 502.006.007.601 835.901.114.103 803.806.310
GIBRALTER	713.002
GOLDSTAR	002.205.102.324 435.802.307.609 217.502
GRUNDY	706.906
HAIER	709.223.323.317
HALLMARK	002.502
HARVARD	906
HITACHI	410.507.815.607 808.002.502.710 324.701.802.707 315.515.715.519
HISENSE	908.819.023

TV CODE LIST (cont.)

ILO	421.078.001.116
IMA	906
INFINITY	807.430
INITIAL	078
INSIGNIA	911.520.247.504.323 115.914.213.318
INTEGRA	719
INTEQ	713
JANEIL	019
JBL	807
JCB	801
JC PENNEY	704.002.102.502.112 321.512.007.601.310 402.802.103.803.604 806.312
JENSEN	002.502.914
JVC	607.204.321.508.326 993.802.108.308.715
KAWASHO	002.502.801
KAYPANI	119
KEC	805
KENWOOD	002.502
KLH	023
KLOSS NOVABEAM	408.019
KONKA	906.702.203.306.208 911.842.942.504
KTV	906.003.703.805.608
KURAZAI	701
LASONIC	622.496
LG	002.606.502.102.324 435.802.307.609.217
LIQUIDVIDEO	319.418.793
LODGENET	704.821.701.601
LOEWE	722.807
LOGIK	704.701.601
LUCE	107
LUXMAN	002.502
LXI	704.002.502.506.807 312.512.601.324.103
MAGNASONIC	706
MAGNAVOX	807.002.502.919 224.430.247.402 408.109.715
MAJESTIC	704.601.701
MARANTZ	807.719.002.502
MEDION	922.421.417
MEGATRON	002.502.507
MEI	003
MEMOREX	002.502.506.706.115 704.601.428.632.701
MGA	002.102.502.706 802.803.715.619
MIDLAND	704.713.007.312.103
MINUTZ	806
MITSUBISHI	102.716.706.002.502 024.803.715.619.027
MONIVISION	205
MONTGOMERY WARD	704.601.701
MOTEVA	506
MOTOROLA	603.901
MTC	002.102.502 112.512.003
MULTITECH	906
MULTIVISION	010
MYRON&DAVIS	822
NAD	002.502.512.120
NEC	719.002.102.502 901.602.111.715
NETTV	206.014
NEXXTECH	113.318
NIKEI	805
NIKKO	002.502.407
NORCENT	223.905.207
NTC	407
OLEVIA	040
ONCOMMAND	721
ONKING	805
ONWA	906.805
OPTIMUS	618.120.039.739
OPTOMA	050
OPTONICA	603.111
ORION	713.115.105
PANASONIC	718.416.007.618 807.039.739.345 696.901.608
PHILCO	807.002.102.502.919 408.109.715.901.402
PHILIPS	807.022.020.422 122.222.322.002 520.919.521.621 430.247.901.402 408.109.210.310.715
PHILIPS-MAGNAVOX	807.022.322 919.224.430
PILOT	002
PIONEER	120.719.808.002 502.610.519
PIVA	030
POLAROID	819.918.914
PORTLAND	002.102.502 415.614.407
PRECISION	218
PRICE CLUB	112
PRIMA	056.118.213.318
PRINCETON GRAPHICS	603.511
PRISM	007
PROSCAN	704.312.601 817.917.103

TV CODE LIST (cont.)

PROTON	820.002.502
	910.119.220
PROVIEW	017.031
PULSAR	713.002
QUASAR	718.416.007.618.807
	039.739.901.608
RADIO SHACK	704.002.406.506
	906.618.502.324.835
	601.802.705.805.111
RCA	704.002.406.007.011
	611.811.312.514.720
	102.502.601.817.917
	835.901.103.803.211
	912.114.519.320.420
REALISTIC	704.002.406.506
	906.618.502.324
	601.802.705.805.111
RHAPSODY	003
RUNCO	713.719.712
SAMPO	014.206.002
502.119.802	
SAMSUNG	112.309.209.512
	302.502.002.102
	110.818.895.437
	802.103.609.012.212
SAMSUX	502
SAMTRON	112
SANSUI	115.632
SANTECA	021
SANYO	506.311.612.002
	428.802.412.619
SCOTCH	002.502
SCOTT	002.502.706
906.004.105.805	
SEARS	704.807.506.706
	112.002.502.312
	512.612.520.601
	812.509.041.247
	802.103.619
SELECTRON	101.069.079
SHARP	509.913.907
	603.002.502
	224.228.202.111.813
SHOGUN	002
SIGNATURE	704.601.701.903
SIMPSON	402
SONIC	003
SONY	414.902.801.708.639
SOUNDESIGN	002.502.706
	906.402.805
SPECTRAVISIN	921
SQUAREVIEW	520
SSS	002.906.805
STARLITE	906
STARSIGHT	008
SUPRA	002.809
SUPERSCAN	812.509.247
SUPERSONIC	096
SUPREMACY	019
SUPREME	801
SVA	223
SYLVANIA	807.002.502.115
	520.919.324.247
	402.408.109.715.717
SYMPHONIC	906.520.324.247.004
SYNTAX	040
TANDY	603
TATUNG	709.421.901
TECHNICS	007
TECHWOOD	002.502.007
TEKNIKA	704.002.102.502
	706.906.112.512
	618.601.019.701
	402.802.805.407
TELECAPTION	313
TELERENT	704.601.701
TERA	002.220
TEVION	421
TMK	002.502
TOSHIBA	517.419.512.613
	719.112.506.111
	618.627.437.041
	094.802.111.313.715
TRUTECH	057
UESTVISION	721
UNIVERSAL	806.310
VICTOR	607
VIDTECH	002.102.502
VIEWSONIC	206.808
VIKING	019
VIZIO	709
WARDS	704.807.002.102
	502.706.601.408
	109.310.111.513
	806.701.402.004
WESTINGHOUSE	915.013
WHITE WESTINGHOUSE	611.614.415
	215.324.529.609.
YAMAHA	618.002.102.502
ZENITH	713.502.606.409
	710.507.714.405
	712.015.916.008
	002.115.415.224
	324.326.826.228
	430.632.435.437
	903.407.505.701.126

VCR CODE LIST

ACCELE	037
ADMIRAL	224
ADVENTURA	726
AIKO	826
AIWA	126.324.528.726
AKAI	324.524.424.624
	724.027.931.335
ALLEGRO	326.534.925
AMERICAN HIGH	830
APEX	596
ASHA	037
AT&T	938
AUDIO DYNAMICS	239.339.025
AUDIOVOX	126
BELL&HOWELL	428
BEAUMARK	037
BROKSONIC	227.626.327.632
	041.398.325.530
CALIX	126
CANDLE	625.126.037
	025.825.026
CANON	124.830.535
CAPEHART	534
CARVER	330
CCE	826.237
CINEVISION	126
CITIZEN	625.126.826.037
	025.825.026
COLORTYME	025
COLT	237
CRAIG	126.037.237.426
CURTIS MATHES	124.330.324.035.037
	437.025.526.830
CYBERNEX	037
DAEWOO	529.625.626.826.035
	825.026.726.798
DBX	239.339.025
DIAMOND VISION	291
DIMENSIA	124
DURABRAND	126
DYNATECH	324.726
ELECTROHOME	126.027
ELECTROPHONIC	126
EMERSON	626.126.826.227.327
	630.632.134.037.625
	924.324.128.228.428
	528.247.447.724.325
	526.726.027.527.827
	927.628.530.830.731
	634.735
FISHER	032.428.328.330
	025.426.928.029
FUJI	524.830
FUNAI	324.247.447.726
GARRARD	726
GE	124.732.135.835
	037.429.830
GOLDSTAR	324.126.435
	534.236.025
GRADIENTE	726
GO-VIDEO	037.139.342
	244.147.798.438
HARLEY DACIDSON	726
HARMAN KARDON	025.027
HARWOOD	237
HEADQUARTER	428
HITACHI	538.324.336.931.834
HI-Q	426
INFINITY	430
INSIGNIA	126
INSTANT REPLAY	324.830
INTEQ	126
JC PENNEY	124.126.428.037
	538.239.339.830
	931.834.935.025
JCL	830
JENSEN	538.931
JVC	239.339.428.326
	443.025.931.691
KENWOOD	428.239.339.025.931
KLH	237
KODAK	126.830
LG	324.534.435.392
LITEON	068
LLOYD	324.726
LOGIK	237
LXI	324.126
MAGNAVOX	330.430.534.224
	124.247.230.125
	324.093.598.830
MAGNIN	037
MARANTZ	330.428.239.339
	530.830.535.025
MARTA	126
MATSUSHITA	830
MEDION	291
MEI	830
MEMOREX	330.126.428.032.632
	534.037.224.324.335
	426.726.830
MGA	630.027
MGN TECHNOLOGY	037
MIDLAND	429
MINOLTA	538.834
MITSUBISHI	630.431.538.239
	339.027.131
MONTGOMERY WARD	224.631
MOTOROLA	224.830

VCR CODE LIST (cont.)

MTC	324.037.726
MULTITECH	324.037.726.429.237
NEC	428.239.339.530.731
	831.931.025.526
NIKKO	126
NOBLEX	037
OLYMPUS	830
OPTIMUS	525.037.937.126
	737.039.739.224
OPTONICA	037.631
ORION	227.632
PANASONIC	937.739.039.938
	124.345.830
PENTAX	538.025.834
PHILCO	330.124.125.830
PHILIPS	330.430.036.136.738
	439.939.247.230.830
PHILIPS-MAGNAVOX	330.430.224
PILOT	126
PIONEER	132.538.239
	339.935.016
POLAROID	596
PORTLAND	825.026
PROSCAN	124.432
PROTEC	237
PULSAR	534
QUARTER	428
QUARTZ	428
QUASAR	937.039.124.739.830
RADIO SHACK	124.224.324.525.126
	428.835.037.737.937
	426.726.027.029.830
	631.335
RADIX	126
RANDEX	126
RCA	124.126.432.532.732
	832.932.033.133.233
	135.835.037.538.424
	429.830.834
REALISTIC	124.224.324.126.428
	037.737.937.426.726
	027.029.830.631.335
REPLAYTV	938
RICOH	936
RIO	126.142
RUNCO	534
SAMSUNG	037.437.625.538.147
	895.997.624.335
SANKY	224.534
SANSUI	632.239.339
	041.227.931
SANYO	032.328.428.037.426
SCOTT	625.626.327.630
	735.325.927

VCR CODE LIST (cont.)

SEARS	937.126.428.330.538
	041.247.426.928.029
	830.834.935
SHARP	637.737.224.324
	228.825.027.631
SHINTOM	524.936.538.237.337
SHOGUN	037
SIGNATURE	324
SINGER	830.237
SONIC BLUE	938
SONY	539.034.524.933
	936.540.838.038
	138.238.639
STS	538.830.834
SUPERSCAN	247
SYLVANIA	324.330.630.124
	225.247.447.726.830.
SYMPHONIC	324.225.247.726
TANDY	324.428
TASHIKO	126
TATUNG	931
TEAC	324.726.931
TECHNICS	830
TEKNIKA	324.126.134.726.830
TiVo	738.838
TMK	037.526.731
TOSHIBA	625.727.627.330.630
	437.538.094.029.735
TOTEVISION	126.037
UNITECH	037
VECTOR RESEARCH	625.239.339.025
VICTOR	239.339
VIDEO CONCEPTS	625.239.339.025.027
VIDEOSONIC	037
WARDS	124.224.324.625
	126.037.538.426
	726.027.830.631
	234.834.735.237
WHITE WESTINGHOUSE	324.529
XR-1000	726.830.237
YAMAHA	239.339.025.931
ZENITH	534.326.826.228
	430.224.324.435
	336.936.437.126
	524.632.824.239
	339.529.438.925

HOME AUTOMATION CODE LIST

GE HOMEMINDER	201
HOME AUTOMATION	401

CD CODE LIST

ADC	490
ADCOM	767.073
AIWA	967.372.885
AKAI	173.375.684
AUDIO TECHNICA	168
CALIFORNIA AUDIO LABS	273
CAPETRONIC	568
CARVER	268.368.468.184
CASIO	379
CENTRIOS	979
CITIZEN	284
CURTIS MATHES	379
DENON	668
EMERSON	767.968
FISHER	368.169.269.369.473
GENEXXA	968.469.573
GOLDSTAR	673
HARMAN KARDON	669.770
HITACHI	469
INKEL	769
JC PENNEY	670.379
JVC	869.982
KENWOOD	569.969.170 374.474.484
KRELL	268
KYOCERA	490
LUXMAN	270.370.574.475
LXI	379
MANAVOX	268.774.681
MARANTZ	268.470.570.874
MCS	670.379
MGA	770
MISSION	268
MITSUBISHI	770.870
NAD	773.975
NAKAMISHI	970.071.784
NEC	670
NEXXTECH	679.879.480 580.087.787
NIKKO	168.968.269
NSM	268
ONKYO	171.271.873.782
OPTIMUS	368.468.469 569.371.471.571 671.076.376.776
PANASONIC	273.974.675.683.887
PHILIPS	268.774.184
PIONEER	469.771.871.573 676.385.289
PROTON	268
QUASAR	273
RADIO SHACK	468.571.272.676 280.488.089.289
RCA	767.368.971 973.676.181 086.988.089.289
REALISTIC	767.368.568.968 469.570.371.571
ROTEL	268
SAE	268
SAMSUNG	775
SANSUI	268.072.973.075
SANYO	368.172.473.175.875
SCOTT	767.968
SEARS	569.570.379
SHARP	569.570
SHERWOOD	769.570.471.272.587
SHURE	670
SONY	372.880.081.681
STS	490
SYLVANIA	268
SYMPHONIC	572
TEAC	269.570.571.572 672.772.287
TECHNICS	273.974.683.887
THETADIGITAL	774
TOSHIBA	773
VICTOR	869
YAMAHA	168.872.972.074.286
ZENITH	269.674.577.080.686

AUDIO CODE LIST

AIWA	585.885.786.687
APEX	245
APPLE IPOD	190
BOSE	868
CARVER	184
CENTRIOS	028.087
CITIZEN	284
CRITERION	446
DENON	981.383.886
DELPHI	472
FISHER	083.783
GOLDSTAR	278
HARMAN KARDON	082.483
IPOD	0090
JVC	680.982.583
KENWOOD	969.482.283 484.884.588
KOSS	143
MAGNAVOX	281.083.193.277
MARANTZ	470.084
MITSUBISHI	389
NAD	773.575.975

AUDIO CODE LIST (cont.)

NEC	174
NEXXTECH	028.679.879.480
	580.584.087.787
NORCENT	392
ONKYO	182.782.882.890.
OPTIMUS	368.376.476.576
	776.876.077.980
PANASONIC	780.682.183.983
	987.088.790.696
PHILIPS	177.083.983.084.184
PIONEER	385.288.388.489.990
RADIO SHACK	272.077.980.282
	188.288.388.488
	189.489.589
RCA	373.274.878.779
	181.384.186.288
	388.688.788.888
	189.489.589.546.191
REALISTIC	883
RIO	142
SABA	091
SAMSUNG	047
SANYO	172
SCOTT	478
SHARP	768.070.582
SHERWOOD	272.282.487.587
SKYFI	174
SONY	933.479.579.180
	381.481.581.984
	085.185.285.985.592
TAO	174
TEAC	672.382.187.287.387
TECHNICS	780.682.183
	983.987.088
TEVION	446
VINTURER	176
XMRADIO	472.174
YAMAHA	781.881.485.685
	785.286.386.486.586
ZENITH	269.674.576.577
	178.278.080.083
	380.686.142

CABLE CODE LIST

ABC	747.048.148.248.947
ADELPHIA	852.752
ALLEGRO	154.054
AMERICAST	354
ANTRONIX	448.548
ARCHER	448.548.648.748
AT&T	752
BELL SOUTH	354
CABLETENNA	448
CABLEVIEW	448
CABLEVISION	252
CENTURY	748
CITIZEN	748
COGECO	752
COLOR VOICE	848.948
COMCAST	752
COMTRONICS	049.149
CONTEC	249
DIGITAL MUSIC EXPRESS	053
EASTERN	349
EVERQUEST	049
GARRARD	748
GC ELECTRONICS	548
GEMINI	255.549
GEMINI	556
GENERAL INSTRUMENT (GI)	552.747.148.752
	952.453.654.754
	053.048.947
HAMLIN	747.649.749.849
HITACHI	947
ILLICO	252
JASCO	748
JERROLD	552.747.148.453
	947.048.653.254
MAGNAVOX	150
MEMOREX	250
MOTOROLA	552.148.952.453.654
	754.048.752.254.947
MOVIETIME	350
NSC	350
OAK	249.550
PACE	854
PANASONIC	647.452
PARAGON	250.450
PHILIPS	748.549.150
	650.750.850
PHILIPS-MAGNAVOX	152.055
PIONEER	449.252.950.051
PULSAR	250
RADIO SHACK	152.055.154
RCA	647.784.352
REALISTIC	548
REGAL	849
REGENCY	349
REMBRANDT	947
ROGERS	252
RUNCO	250
SAMSUNG	049.051
SCIENTIFIC ATLANTA	451.351.252.155
	852.248.251
SHAW	752

DVD CODE LIST (cont.)

KXD	091
LASONIC	746.496
LENOXX	794.145
LG	142.898.392
LINN	945
LITEON	899.891.491
MAGNAVOX	441.442.599
	799.699.247
	193.093.598
MARANTZ	441.142.442.943.799
MAXENT	993
MEDION	792.246.991.291
MEMOREX	246
MICROSOFT	542
MINTEK	644
MITSUBISHI	841
MUSTEK	744
MYRON&DAVIS	897
NAD	142.944
NAKAMICHI	844
NESA	644
NEXXTECH	896.097.197.297
NORCENT	294.899.394.194.297
ONKYO	843.199
OPTIMUS	042
ORION	041
ORITRON	143
PANASONIC	340.241.641.345
	099.696.698
PACIFIC	246
PHILIPS	441.442.943
	177.599.799
	699.247.447.598
PHILIPS-MAGNAVOX	441.442.943.599.699
PIONEER	941.042.299
	399.498.592
POLAROID	140.596.397
POLK AUDIO	441.442.799
PORTLAND	145
PROLINE	143
PROSCAN	542.690
PROSONIC	294
RADIO SHACK	546.946.593.693.
RCA	542.644.546
	946.693.690
RIGENT	794
REOC	746
ROSEN	694
ROTEL	242
SABA	593
SAMSUNG	342.047.147
	895.997.790
SAMPO	343
SANSUI	041
SANYO	243.092
SEARS	041.247
SEG	444
SHARP	341.391
SHERWOOD	144
SHINCO	644
SHINSONIC	644
SONIC BLUE	395
SONY	330.400.500
	540.541.200
SOUNDSTORM	692.792
SUNGALE	996
SUPERSCAN	247
SV2000	247
SYLVANIA	247.447
SYMPHONIC	247.447.591
TEAC	042.546
TECHNICS	641
TECHWOOD	944
TERAPIN	995
TEVION	440.246.346
	446.646.746.846
THETA DIGITAL	042
TIVO	892.592
TOSHIBA	041.441.998.094.999
TREDEX	795
UNITED	546
VENTURER	546
WHARFEDALE	845.343
WHITE WESTINGHOUSE	447
X-BOX	542
XENIUS	440
YAMAHA	641.643.599.699
YAMAKAWA	445.444
ZENITH	142.392

AST, DTV, WebTV CODE LIST

AMPLICA	159
BELL EXPRESS VU	067.366.167.464
CHANNEL MASTER	359.459.559
CHAPPARAL	657.757
CHEYENNE	757
DRAKE	857.059.360
DREAMBOX	663
DIRECTV	863.864.864.763.963
	259.260.263.962
	664.065.265.465
	765.866.966.367
	567.362.563.765
DISH NETWORK	167.366.464.862
	067.460.560.660

AST, DTV, WebTV CODE LIST (cont.)

DISHPRO	460.560.660.067
DX ANTENNA	458.859
ECHOSPHERE	464
ECHOSTAR	167.366.464.862
	067.460.560.660
EXPRESSVU	067.366.167.464
FORTECSTAR	558.157.257
	357.457.557
FUJITSU	760.860
GE	265.566.365.863
	966.666.766.866
GEMINI	161
GENERAL INSTRUMENT (GI)	466.364.865.965
	066.665.166.058
	158.258.960
GO VIDEO	662
HITACHI	465.564.664
	864.765.362
HUGHES NETWORK	763.765.362.659
	864.465.564.644
JVC	464.862
KENWOOD	461
LUXOR	561
MAGNAVOX	259.862.565
MACOM	661
MITSUBISHI	765.864.465
	564.664.362
MOTOROLA	466.463
NORSTAT	761
PACE	063.163.266
PANSAT	060
PANASONIC	264.260.261
PRINESTAR	364.665
PHILIPS	259.862.763.564
	664.864.465.765
	362.565
PHILIPS-MAGNAVOX	259.862.565
PIONEER	062
PROSAT	957
PROSCAN	265.365.666
	966.766.866
RCA	265.566.365
	863.467.966
	666.766.866.411
REALISTIC	358.961
SAMSUNG	061.959.962.263.563
SHARP	062
SKY NETWORK	063.163.266
SIERRA I II III	757
SONY	963.367.567.160.861
STARCHOICE	665.166.364
STAR SIGHT	964
STAR TRAK	462
STS	458.658.758
SUPER GUIDE	562
SYLVANIA	759
TOSHIBA	765.864.465
	564.664.362
	858.064.164.764
ULTIMATE TV	966.567
UNIDEN	964.958.762
UNITED	361
VIDEO CIPHER II	059
WEB TV	862.160
ZENITH	363.065.267
	161.266.857
	059.360.165

DVR CODE LIST

AT&T	938
HUGHES	659
HUMAX	892
PANASONIC	938
PHILIPS	738.036.136
PIONEER	592.399
RCA	542
REPLAYTV	938
SONIC BLUE	938
SONY	838.367
TiVo	738.838.036.136
	367.999.892.592
TOSHIBA	999

PLASMA, LCD & PANEL TV CODE LIST

AKAI	309
BENQ	709.909
CORNEA	606
DAEWOO	614
DELL	522.404.814
DUKANE	507.808
ELITE VIDEO	321
ENVISION	009
FUJITSU	321
GATEWAY	206
HAIER	709
HISENSE	908
HITACHI	507.808
INSIGNIA	911
INTEGRA	719
JVC	204.321
LG	606
LUCE	107
MARANTZ	719
MEGATRON	507
MITSUBISHI	102.716
MONIVISION	205

PLASMA, LCD & PANEL TV CODE LIST (CONT.)

MYRON&DAVIS	822
NEC	719
NETTV	206.014
NORCENT	905.207
PANASONIC	618.718
PHILIPS	422
PHILIPS-MAGNAVOX	022
PIONEER	808.719
POLAROID	819.918
PRINCETON GRAHICS	511
RCA	704
RUNCO	719
SAMPO	014.206
SAMSUNG	309.302.209
SANYO	311
SEARS	812
SHARP	907
SONY	902.414
SUPERSCAN	812
TATUNG	709.421
TEVION	421
TOSHIBA	618.719
VIEWSONIC	206.808
VIZIO	709
WHITE WESTINGHOUSE	215
YAMAHA	618
ZENITH	606.409.714.507

HD TV CODE LIST

GO VIDEO HDT100	662
HITACHI 61HDX98B	864
HUGHES HTL-HD	362.864.765
HUGHES HIRD-E8	362.864.765
LG LSS-3200A	362.864.765
LG HTL-HD	362.864.765
MITSUBISHI SR-HD5	864
MITSUBISHI SRHD400	864
MITSUBISHI SRHD500	864
MOTOROLA HDT10	463
PHILIPS DSHD800R	864
PIONEER SH-D505	062
PROSCAN PSHD105	265
RCA HD65W20	467
RCA PSHD105	265
RCA DTC-100	265
RCA DTC-210	265
SAMSUNG SIR-T165	959
SAMSUNG SIR-T351	959
SAMSUNG SIR-TS160	563
SAMSUNG SIR-TS360	563
SONY SATHD100	963
SONY SATHD200	963
SONYSATHD300	963
SYLVANIA 6900DTD	759
TOSHIBA DST3000	362.765
TOSHIBA DST3100	362.765
TOSHIBA DW65X91	362.765
ZENITH HDSAT420	065
ZENITH HDSAT520	065
ZENITH DTV1080	065

LASER DISC CODE LIST

DENON	132
PIONEER	132
PROSCAN	432
RCA	432
SANYO	824
SONY	933
ZENITH	824

DVD-Recorders + RW CODE LIST

APEX	495
ASPIRE	994
BROKSONIC	398
CENTRIOS	796
COBY	091
CYBERHOME	595
EMERSON	591
GO-VIDEO	744.891.791
HITACHI	543
HUMAX	892
ILO	597
JVC	691
KXD	091
LG	392
LITEON	891.491
MAGNAVOX	599.699
MEDION	991
MUSTEK	744
PANASONIC	340
PHILIPS	599.699
PHILIPS-MAGNAVOX	599.699
PIONEER	399.592
POLAROID	140
RCA	542
SAMSUNG	790
SANYO	092
SHARP	391
SONY	300.400.500
SYMPHONIC	591
TOSHIBA	998
YAMAHA	599.699
ZENITH	392

FOR EASY REFERENCE, RECORD YOUR 3-DIGIT CODES HERE

TV _____

DVD _____

VCR _____

VCR/DVD COMBO _____

LASER DISC(DVD)/PVR/DVR _____

CABLE _____

SATELLITE _____

TV/VCR - TV/DVD _____

KEEP THIS INSTRUCTION MANUAL AS IT CONTAINS IMPORTANT INFORMATION.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For technical support, please visit
www.mscustomercare.com or call 1-800-374-2744

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